ChangeMan® ZMF

Quick Reference

General Information

- Actions can be initiated by either choosing from menu and option panels, or by typing line commands on the Package List (see page 12).

- To process panel information, press [Enter].

- To cancel without processing panel information, type "CANCEL" on the Command line or in the Option field, and press [Enter].

- To access online Help, press the [PF1] key.

- To jump between panels, use the equal "=" sign. Example: To jump to the *Create A New Package* panel, type "=1.1" in Command or Option, and press [Enter].

- To see long panel fields (marked by "+"), scroll right and left with [PF11] and [PF10]. Press [PF4] for a pop-up window.

- Sort is now available on many lists. Press [PF1] for more information where there is a list.

Creating a Change Package

1 From the *Primary Option Menu*, choose 1 (Build) and press [Enter].

2 From the *Build Options* menu, choose 1 (Create) and press [Enter].

3 On the *Create A New Package* panel:

- Type "L" (Long method), "S" (Short method), "D" (No Description) or "I" (No Implementation instructions) in the Option field.

- Type the package title, the application, and the requestor's name and telephone number.

- Optionally type the work request ID and the department (these field names may be changed).

- Type the package level:

    1 - Simple

    2 - Complex

    3 - Super

4 - Participating

- Type the package type (Planned or Unplanned).

- Type the package time span (Permanent or Temporary).

- Optionally type a package to copy forward.

- For unplanned packages, type a reason code.

- For temporary packages, type a change duration.

- Press [Enter].

Steps 4-5 are skipped if the Short Method was chosen in Step 3.

4 On the *Package Description* panel, type a free-form description of the package and press [Enter].

5 On the *Installation Instructions* panel:

- Type the problem contingency action (for documentation only).

- Type the installation method:

    CMN - ChangeMan ZMF scheduler

    MAN - Manual installation

    OTHER - External scheduler

- Type free-form implementation instructions. Press [Enter].

6 Optionally type on the User Panel, as required. Press [Enter].

7 On the *Site Information* panel, type the install date and time, the primary and backup contact names and phone numbers, and then Press [Enter].

For more details, see the "Creating a Change Package" chapter in the ChangeMan ZMF User Guide.

Checking Out a Component

1 From the *Primary Option Menu*, choose 1 (Build) and press [Enter].

2 From the *Build Options* menu, choose 5 (Checkout) and press [Enter].

3 On the *Checkout Options* panel, type the package ID, type "1" (Baseline/Promotion) in the Option field, and press [Enter].

4 On the *Checkout* panel:

- Leave the Option field blank to perform checkout, or type "L" in the Option field to display a list of the libraries that contain the component.

- Type the component name to check out, or leave blank for a list.

- Type the component library type, or leave blank for a list.

- Type the source library (-n to 0 for a prior or current baseline, or level number +n for a promotion level).

- Type the checkout target library option:

  S - Staging

  P - Personal (if enabled by administrator)

- For a personal target library, type both the library name and the library data set organization.

- Select 'Confirm overlay' or omit to bypass.

- Type the checkout mode:

  1 - Online

  2 - Batch job

- Select 'Lock component' to place an immediate lock, or omit to bypass.

- Select Display component user options if desired.

- Press [Enter].

For more details, see the "Checking Out a Component" chapter in the ChangeMan ZMF User Guide.

Staging a Component

1 From the *Primary Option Menu*, choose 1 (Build) and press [Enter].

2 From the *Build Options* menu, choose 6 (Stage) and press [Enter].

3 On the *Stage Options* panel:

- Type the package ID.

- Type a stage action in the Option field:

> 1 - Dev (Copy a component to the staging library from a development library, then stage the component.)
>
> 2 - Package (Stage a component already in the package.)
>
> 3 - Parms (Specify component list selection criteria.)

- Press [Enter].

Stage From Development (Dev Option)

If you chose option 1 Dev on the Stage Options panel:

1 On the *Stage From Development* panel:

- Type the dataset name.
- Type a dataset organization if it is not PDS or SEQ.
- Type the library type, or leave blank for a list.
- Type a stage name if a new component name is needed.
- Select a stage mode (1=Online 2=Batch).
- Select 'Expand HFS subdirectories' to return the contents of all subdirectories or omit to list only the specified directory.
- Select other options desired.
- Press [Enter].

2 For like-source components, continue with .

Stage Package Components (Package Option)

If you chose option 2 Package on the Stage Options panel:

1 On the *Stage Package Components* panel:

- Component status values:

Status	Description
ACTIVE	Component has been successfully staged
CHECKOUT	Component has been checked out but not yet staged
FROZEN	Component cannot not be updated

Status	Description
INACTIVE	Name of the component was copied forward from another package, but the component has not been checked out to the staging library
INCOMP	Build job has not completed or has failed
UNFROZEN	Previously frozen component is available for update

- Type a line command next to one or more component names:

Cmd	Description
B	Browse component
BA	Browse component activity file (if enabled by administrator)
BD	Browse component general description
BL	Browse component listing
D	Delete component from staging library
E	Edit and stage component
EA	Edit activity file
ED	Edit component general description
H	Show history
LC	Lock component from checkout/stage in this package by another user
R	Recompile component from staging library
SB	Stage component in batch mode
SL	Display source-load relationship (like-source components only)
ST	Stage component (S will also work)
UC	Unlock component (if locked) to allow checkout/stage

Cmd	Description
UL	Display User ID Work List (if enabled by administrator)
UV	Update Component User Variables
V	View component
VC	Display Version Control (if enabled by administrator)
VL	View component listing

- Press [Enter].

2 For like-source components, continue with .

Stage Build

Continue staging a like-source component.

1 On the *Stage Build* panel:

- Type the language and compile procedure name, or leave blank for selection lists.

- Type additional compile and link edit (binder) parameters.

- Select 'DB2 preprocessing', and select 'Other DB2 options' if desired.

- Select 'Other options' if desired for user panels.

- Select 'Suppress messages' to prevent the 'Activated' messages from the stage job.

- Type the JCL job statements to be used for the build job.

- Press [Enter].

2 If you selected Other DB2 options or 'User Options', type values desired on those panels and press [Enter].

For more details, see the "Staging a Component" chapter in the ChangeMan ZMF User Guide.

Auditing a Package

1 From the *Primary Option Menu*, choose 1 (Build) and press [Enter].

2 From the *Build Options* menu, choose 7 (Audit) and press [Enter].

3 On the *Audit Change Package* panel:

- Type the package ID.

- For Audit Part. Package, input:

  - 1 - the participating package as a simple package.

  - 2 - the participating package as a primary package.

  - 3 - the participating package by department number.

- Autoresolve parms - Optionally type a dataset name for additional automatic resolve processing parameters.

- Select desired options:

  - Audit staging libraries only

  - Include history records

  - Format report for printing

  - Specify the application scope

  - Suppress Passed/Failed message from audit job

  - Include Cross Appl Headings

  - Print top line only of Cross Appl Headings

  - Lock the package while audit is running

  - Reset the audit lock if the audit job did not finish

  - Automatically resolve out-of-synch conditions

  - Update only this package rc

- Type the JCL job statement to be used for the audit job.

- Press [Enter].

4 Review the audit report in the audit job. See "Out-of-Synch Conditions" on page 15.

For more details, see the "Auditing a Package" chapter in the ChangeMan ZMF User Guide.

Promoting/Demoting a Package

1 From the *Primary Option Menu*, choose 3 (Promote) and press [Enter].

2 On the *Promote/Demote A Change Package* panel:

- Type the package ID.

- Type "P" (Promote) or "D" (Demote) in the Option field.

- Press [Enter].

3 On the *Promote* or *Demote Site List* panel, select a site, and press [Enter].

4 On the *Promote* or *Demote Options* panel:

- Type an action in the Option field.

- Type a next promotion level or type a demote from level, if the field is available for input.

- For promote only, type a date and time to schedule the promote for later, or leave blank for immediate execution.

- For promote only, select 'Short selection list' for selective promotion to only display the components not currently promoted to the next target level.

- For promote only, select 'Bypass overlay check' to prevent warnings of overlays.

- Select 'Suppress batch messages' to suppress success/ failure messages from the promote or demote job.

- Type the JCL job statement to be used for the promote or demote job.

- Press [Enter].

5 If you chose Selective for the promote or demote option, then on the *Promote To* or the *Demote From* panel:

- Type "S" to select or "D" to deselect components.

- Press [Enter].

- Press [PF3] to process.

For more details, see the "Promoting and Demoting a Package" chapter in the ChangeMan ZMF User Guide.

Freezing a Package

1 From the *Primary Option Menu*, choose 2 (Freeze) and press [Enter].

2 On the *Freeze Options* panel:

- Type the package ID.

- Type the freeze mode in the Option field:

    1 - Online   Freeze package online

    2 - Batch   Freeze package in batch

    3 - Selective Selectively unfreeze/refreeze package components

    4 - Reset   Reset indicator after unsuccessful batch freeze

    5 - Re-Build   Re-submit install JCL build request

- Press [Enter].

3 If a freeze processing error occurs, type "4" (Reset) in the Option field and press [Enter] to resume freeze processing at Step 2.

For more details, see the "Freezing a Package" chapter in the ChangeMan ZMF User Guide.

Approving/Rejecting a Package

1 From the *Primary Option Menu*, choose 4 (Approve) and press [Enter].

2 On the *Approve Package Parameters* panel, type the package ID of a frozen package, or type package selection parameters. Press [Enter].

3 If more than one package satisfies the package selection criteria, select a package on the *Approve Package List* panel and press [Enter].

4 On the *Approve/Reject Options* panel, type "1" (Approve) in the Option field and press [Enter].

5 On the *Approval List* panel, type "A" on a line command to approve the package, or type "R" to reject the package, and press [Enter].

For more details, see the "Approving or Rejecting a Package" chapter in the ChangeMan ZMF User Guide.

Package List

1 From the *Primary Option Menu*, choose 5 (List) and press [Enter].

2 Type selection criteria on the *Package List Parameters* panel, and press [Enter].

3 On the *Change Package List* panel:

- Type "CREATE" on the Command line and press [Enter] to create a package.

- Type a two-character option on the line command for a package and press [Enter] to take action on the package.

Option	Description
AP	Audit change package
A1	Approve/Reject change package
A2	Display approver's reject reasons
A4	Reset Approval-In-Progress indicator

Option	Description
A5	Re-submit installation JCL build request for package in APR status
BB	Browse/Print baseline/promotion libraries
BL	Browse compressed listing
B1	Back out change package
CC	Compare components in staging library against baseline/promotion library
C1	Check out components from baseline/promotion
C2	Check out components using package component list
C3	Check out components from release (ERO only)
DM	Demote change package
D1	Memo delete change package
D2	Undelete a memo deleted change package
F1	Freeze change package online
F2	Freeze change package in batch
F3	Selectively unfreeze or refreeze change package components
F4	Reset Freeze-In-Progress indicator
F5	Re-submit installation JCL build request for package in FRZ status
OF	Work with Online Forms
PR	Promote change package
QP	Query change package information
RC	Recompile source code from baseline/promotion libraries
RL	Re-link (using the binder) load module
RP	Generate application/package reports
RV	Revert change package back to development status

Option	Description
SC	Scan baseline for character strings
S1	Stage components into change package from an external dataset
S2	Edit and stage components in change package
S3	Specify parameters to select a subset of change package components
UA	Manage Rename or Scratch request in change package
UB	Create Rename or Scratch request for baseline component
UD	Update change package DB2 information (DB2 Option only)
UI	Update change package IMS information (IMS Option only)
UR	Update change package release information (ERO only)
U1	Update change package control information
U2	Update change package description
U3	Update change package installation instructions
U4	Update package install scheduling dependencies for external scheduler
U5	Update participating package affected applications
U6	Update complex/super package information
U7	Update change package install site and date information
U8	Change complex/super package to CLO status
U9	Change complex/super package to OPN status
UE	Update change package user information
ZP	Compress change package staging libraries

Out-of-Synch Conditions

Synch	Description
DUPLIC!	Components in staging and baseline libraries are identical.
SYNCH0!	Package Master contains no record of this component.
SYNCH1!	Non-load component has no ISPF statistics.
SYNCH2!	Like-source component was compiled without using the designated compile procedure and options.
SYNCH3!	IDRDATA in a load component cannot be read.
SYNCH4!	Like-copy component in a staging library was changed more recently than the calling like-source component in a **staging** library in the same package.
SYNCH5!	Like-copy component in a staging library was altered more recently than the calling like-source component in the **baseline** library.
SYNCH6!	Component in a staging library has no corresponding Component Activity File member in the package.
SYNCH7!	Statically linked called load in a staging library was changed more recently than the calling load component in a **staging** library in the same package.
SYNCH8!	Statically linked called load in a staging library was changed more recently than the calling load component in the **baseline** library.
SYNCH9!	Load component in a staging library does not match the corresponding like-source component in the package.
SYNCH10!	Component in the baseline library has changed since the component was checked out to a package staging library.

Synch	Description
SYNCH11!	Component in a staging library was changed without using ChangeMan ZMF.
SYNCH12!	Component was copied into a staging library without using ChangeMan ZMF, or it is left over from a stage job that abended.
SYNCH13!	Component in the baseline library was changed more recently than the component in a staging library.
SYNCH14!	Package component is not in Active status.
SYNCH15!	More recent version of like-copy or LCT component resides in a staging, promotion, or baseline library than was used to stage a like-source component in a package.
SYNCH16!	Like-copy component in the package, which doesn't contain the calling like-source, was changed after the baseline version of the like-copy but before the calling like-source in baseline.
SYNCH17!	Like-copy component in a staging library was deleted after it was used to stage or recompile a like-source in the package.
SYNCH18!	Called load in a staging library was deleted after it was statically linked into a composite load in the package.
SYNCH19!	A package master record points to a package component that is not in the staging library.
SYNCH20!	Statically linked called load in staging library has timestamp (SETSSI) that does not match the timestamp expected by audit.
SYNCH21!	Remove either the scratch/rename request or the component it refers to from the relevant package.

Synch	Description
SYNCH22!	The sub-component to be scratched is in use by the indicated top-level component. Remove the reference to the sub-component or remove the scratch request.
SYNCH23!	The sub-component to be renamed is in use by the indicated top-level component. It may not be possible to resolve this until after the rename has been processed in baseline. Change the reference to the sub-component or remove the rename request.

Serena® ChangeMan® ZMF Lifecycle